



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO039920	MCM001-VU	14	1	2% 10 Net 30	8547K45	Tube ALT. P/N 8547K893 receive ea				60	5/31/2018	60		S076786	Stock	5/31/2018	\$ 34.25 / Ea	0		\$2,055.00	McMaster-Carr Supply Co.
		30			AGD-2	1" Dial Indicator 0" to 1" Range				1		1		S076674	Stock	5/31/2018	\$ 90.45 / Ea	0		\$90.45	McMaster-Carr Supply Co.
		Total:										61								\$2,145.45	

Plex 5/31/2018 11:14 AM dart.Tollis.Andrew



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039920**

Supplier: MCM001-VU
McMaster-Carr Supply Co,
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039920
PO Date: 5/16/18
Due Date: 5/31/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com
Via: Ground
Pynt Terms: 2% 10 Net 30
Freight Terms:
Special Comments:

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
14	8547K45		Tube ALT. P/N 8547K893 receive ea	Firmed	5/31/18	60 Ea	0 Ea	60 Ea	\$34.25/Ea	\$2,055.00
30	AGD-2	2092A42 1/pk	1" Dial Indicator 0" to 1" Range	Firmed	5/31/18	1 Ea	0 Ea	1 Ea	\$90.45/Ea	\$90.45
Grand Total:										\$2,145.45

Order Notes

Procurement Quality Clauses
A005 RIGHT OF ENTRY
A016 PERSONNEL QUALIFICATION
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A032 DOCUMENT SPECIAL REQUIREMENTS
A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 5/31/18 8:15 AM dart.lavoie.chantal



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO039920

Order Placed By
Chantal Lavoie

McMaster-Carr Number
3695508-05

Page 1 of 3

05/24/2018

Line	Product	Ordered	Shipped
30	2092A42 Plunger-Style Variance Indicator, Plus/Minus Dial, Plain, 0" to 1" Range, AGD Group 2	1 Each	1

Shipped separately from our Cleveland warehouse on 05/16

1	90177A213 Zinc-Plated Steel Split Rings, 9/16" OD, 7/16" ID, 1/16" Thick	1 Pack	1
2	98381A544 Dowel Pin, Alloy Steel, 1/4" Diameter, 1-1/4" Long	4 Packs	4
3	8572K38 White Delrin Acetal Resin Rod, 5" Diameter, 3' Length	3 Feet	3
4	8920K22 Low-Carbon Steel Rod, 6 mm Diameter, 6 Feet Long	1 Each	1
5	1770A725 Zinc Keyed Cam Lock, Nickel-Plated, Key #C420A for 1-7/16" Maximum Thickness, Clockwise	5 Each	5
6	8183K6 Brass Submersible Cord Grip, Metric Threads, for 0.12"-0.2" Cord OD, M8 Knockout Size	12 Each	12
7	7216K5 Straight-Blade Connector, Hinged, 3-Blade Plug, Grounded, NEMA 5-15, Yellow	25 Each	25
8	7216K6 Straight-Blade Connector, Hinged, 3-Slot Socket, Grounded, NEMA 5-15, Yellow	10 Each	10
9	69525K16 Noninsulated Quick-Disconnect Terminals, Single-Crimp Female, 16-14 Gauge, 1/4" Wide x 0.032" Thick Tab	1 Pack	1
10	94355A330 18-8 Stainless Steel Flat-Tip Set Screws, 10-32 Thread, 1/4" Long	4 Packs	4
11	2595K22 Fuel-Resistant Ultra-Flex Heat-Shrink Tubing, 0.19" ID Before Shrinking, 1/2 Feet Long	30 Each	20
12	7767T65 Low-Carbon Steel Round Tube, 0.188" Wall Thickness, 1-3/8" OD, 6 Feet Long	2 Each	2

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO039920

Order Placed By
Chantal Lavoie

McMaster-Carr Number
3695508-05

Page 2 of 3

05/24/2018

Line	Description	Ordered	Shipped
13	84735K117 Flexible Vinyl High-Temperature Push-on Round Caps for 1"-1-1/16" OD, 1-1/2" Inside Height	1 Pack	1
15	90263A112 316 Stainless Steel Precision Shoulder Screw, 3mm Diameter 3mm Long Shoulder, M2 x 0.4mm Thread	10 Each	10
16	90576A115 Medium-Strength Steel Nylon-Insert Locknut, Class 8, Zinc-Plated, M6 x 1 mm Thread	1 Pack	1
17	91352A156 Alloy Steel Button Head Hex Drive Screws, Blue-Dyed Zinc-Plated, M8 x 1.25 mm Thread, 30 mm Long	1 Pack	1
18	91306A674 Button Head Hex Drive Screws, Zinc-Plated Alloy Steel, M6 x 1 mm Thread, 25 mm Long	1 Pack	1
19	90591A260 Zinc-Plated Steel Hex Nut, Medium-Strength, Class 8, M5 x 0.8 mm Thread	1 Pack	1
20	90965A160 316 Stainless Steel Washer for M5 Screw Size, 5.3 mm ID, 10 mm OD	1 Pack	1
21	9263K642 Chemical-Resistant Viton Fluoroelastomer O-Ring, 1.9 mm Wide, 7.8 mm ID	1 Pack	1
22	93441A170 Slotted Unthreaded Spacers, 1/4" OD, 1/4" Long	1 Pack	1
23	93640A123 Nylon Socket Head Screw, M8 x 1.25 mm Thread, 35 mm Long	2 Packs	2
24	93791A424 Black-Oxide 18-8 Stainless Steel Hex Drive Flat Head Screws, 3/8"-16 Thread Size, 1" Long	6 Packs	6
25	93800A650 Nylon Hex Nut, M8 x 1.25 mm Thread, Off-White	1 Pack	1
26	94355A227 18-8 Stainless Steel Flat-Tip Set Screws, 10-24 Thread, 1/2" Long	1 Pack	1
27	96194A102 Medium-Strength Steel Serrated Flange Locknut, Class 8, Zinc-Plated, M8 x 1.25 mm Thread	1 Pack	1

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO039920

Order Placed By
Chantal Lavoie

McMaster-Carr Number
3695508-05

Page 3 of 3

05/24/2018

Line	Description	Ordered	Shipped
28	97245A453 Zinc-Plated Steel Clevis Pin, 5/8" Diameter, 1-1/2" Usable Length	2 Packs	2
29	98338A280 Zinc-Plated Steel Cotter Pins, 3/16" Diameter, 2" Long	1 Pack	1
31	90145A509 18-8 Stainless Steel Dowel Pin, 3/16" Diameter, 7/8" Long	1 Pack	1

Shipped separately from our New Jersey warehouse on 05/16

11	2595K22 Fuel-Resistant Ultra-Flex Heat-Shrink Tubing, 0.19" ID Before Shrinking, 1/2 Feet Long	30 Each	10
<hr/>			
Expected to ship			
14	8547K893 Tube Made From PTFE, 1" OD X 1/2" ID	60 Feet	60 May 22-30



McMASTER-CARR®

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO039920

Order Placed By
Chantal Lavoie

McMaster-Carr Number
3695508-11

Page 1 of 1
05/29/2018

Line	Product	Ordered	Shipped
1	8547K893 Tube Made From PTFE, 1" OD x 1/2" ID	60 Feet	60

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 8547K45 (8547K873)
 DATE: MAY 31 2018

PO / BATCH NO.: 03920/5076786

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 60
 QUANTITY INSPECTED: 60
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000
 THICKNESS RECEIVED: 1.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	Part # 8547K45
CORRECT THICKNESS	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	PO # 03920
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> DATE: <u>9-89</u> <u>MAY 31 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Teflon® PTFE

For comparative information about plastics, see page 3692.

Tubes Made from Teflon® PTFE



- Color: White
- Temperature Range: -350° to 500° F
- Tensile Strength: 4,500 psi (Poor)
- Impact Strength: 2.00 ft.-lbs./in. (Good)
- For Use Outdoors: Yes
- Specifications Met: ASTM D1710, Made of FDA Listed Material, UL 94V0

Protect wires, cords, and anything that can fit inside these tubes from solvents. They're also used to fabricate parts that slide and roll, such as bearings and gears. These tubes are made from virgin Teflon® PTFE, which surpasses most plastics when it comes to chemical resistance and performance in extreme temperatures. It is also an excellent electrical insulator. OD is oversized and ID is undersized for finishing to the sizes listed.

OD	Tolerance Rating	ID	Wall Thick.	Lengths, ft.	Per Ft.
1/4"	Oversized	1/16"	3/32"	1, 2, 3, 4, 5, 6	8547K22 \$4.70
1/4"	Oversized	1/8"	1/16"	1, 2, 3, 4, 5, 6	8547K23 3.26
3/16"	Oversized	3/16"	1/16"	1, 2, 3, 4, 5, 6	8547K24 4.47
3/8"	Oversized	1/4"	1/16"	1, 2, 3, 4, 5, 6	8547K11 4.89
7/16"	Oversized	5/16"	1/16"	1, 2, 3, 4, 5, 6	8547K25 6.68
1/2"	Oversized	1/4"	1/8"	1, 2, 3, 4, 5, 6	8547K31 8.66
1/2"	Oversized	5/16"	3/32"	1, 2, 3, 4, 5, 6	8547K32 7.89
1/2"	Oversized	3/8"	1/16"	1, 2, 3, 4, 5, 6	8547K12 6.90
5/16"	Oversized	7/16"	1/16"	1, 2, 3, 4, 5, 6	8547K27 7.36
5/8"	Oversized	1/4"	3/16"	1, 2, 3, 4, 5, 6	8547K32 14.62
5/8"	Oversized	3/8"	1/8"	1, 2, 3, 4, 5, 6	8547K26 12.00
5/8"	Oversized	1/2"	1/16"	1, 2, 3, 4, 5, 6	8547K31 7.60
3/4"	Oversized	1/4"	1/4"	1, 2, 3, 4, 5, 6	8547K42 24.19
3/4"	Oversized	3/8"	3/16"	1, 2, 3, 4, 5, 6	8547K33 19.15
3/4"	Oversized	1/2"	1/8"	1, 2, 3, 4, 5, 6	8547K13 14.49
3/4"	Oversized	5/8"	1/16"	1, 2, 3, 4, 5, 6	8547K28 8.86
7/8"	Oversized	3/8"	1/4"	1, 2, 3, 4, 5, 6	8547K44 38.54
7/8"	Oversized	5/8"	1/8"	1, 2, 3, 4, 5, 6	8547K14 17.41
1"	Oversized	1/2"	1/4"	1, 2, 3, 4, 5, 6	8547K45 34.25
1"	Oversized	5/8"	3/16"	1, 2, 3, 4, 5, 6	8547K46 30.67
1"	Oversized	3/4"	1/8"	1, 2, 3, 4, 5, 6	8547K15 20.15
1 1/4"	Oversized	7/8"	1/16"	1, 2, 3, 4, 5, 6	8547K29 13.82
1 1/4"	Oversized	7/8"	3/16"	1, 2, 3, 4, 5, 6	8547K16 32.13
1 3/8"	Oversized	1"	1/8"	1, 2, 3, 4, 5, 6	8547K47 25.63
1 3/8"	Oversized	7/8"	1/4"	1, 2, 3, 4, 5, 6	8547K39 41.30
1 3/8"	Oversized	1"	3/16"	1, 2, 3, 4, 5, 6	8547K17 34.67
1 1/2"	Oversized	1"	1/4"	1, 2, 3, 4, 5, 6	8547K35 45.95
1 1/2"	Oversized	1 1/4"	1/8"	1, 2, 3, 4, 5, 6	8547K18 26.57
1 3/4"	Oversized	1 3/8"	3/16"	1, 2, 3, 4, 5, 6	8547K19 43.25
1 3/4"	Oversized	1 1/2"	1/8"	1, 2, 3, 4, 5, 6	8547K38 31.02
1 7/8"	Oversized	1 1/2"	3/16"	1, 2, 3, 4, 5, 6	8547K36 46.27
2"	Oversized	1 1/2"	1/4"	1, 2, 3, 4, 5, 6	8547K21 59.58
2"	Oversized	1 3/4"	1/8"	1, 2, 3, 4, 5, 6	8547K41 35.87
2 1/4"	Oversized	1 1/2"	3/8"	1, 2, 3, 4, 5, 6	8547K33 96.83
2 1/2"	Oversized	2"	1/4"	1, 2, 3, 4, 5, 6	8547K37 78.70
3"	Oversized	2"	1/2"	1, 2, 3, 4, 5, 6	8547K34 148.71

3" Lg. 6" Lg. 12" Lg.

OD	Tolerance Rating	ID	Wall Thick.	Each	Each	Each
3 1/2"	Oversized	3"	1/4"	8556K12 \$59.35	8556K15 \$98.75	8556K18 \$165.40
4"	Oversized	2"	1"	8556K14 96.60	8556K17 168.62	8556K19 314.37
4"	Oversized	2 1/2"	3/4"	8556K11 81.91	8556K41 144.90	8556K11 255.42
4"	Oversized	3"	1/2"	8556K18 62.91	8556K46 108.20	8556K76 196.73
4"	Oversized	3 1/2"	1/4"	8556K22 66.19	8556K24 105.68	8556K25 177.49
4 1/2"	Oversized	4"	1/4"	8556K28 70.70	8556K28 118.20	8556K29 195.30
5"	Oversized	2 1/2"	1 1/4"	8556K13 139.33	8556K43 254.23	8556K73 475.10
5"	Oversized	4"	1/2"	8556K27 75.61	8556K57 136.37	8556K87 244.05
5"	Oversized	3"	1 1/2"	8556K21 189.69	8556K51 353.66	8556K91 642.05
5"	Oversized	4"	1"	8556K23 149.62	8556K53 271.18	8556K83 498.60
6"	Oversized	5"	1/2"	8556K33 92.41	8556K63 160.40	8556K93 288.17
7"	Oversized	3"	2"	8556K36 271.18	8556K66 506.77	8556K96 936.76
7"	Oversized	5"	1"	8556K37 174.98	8556K67 325.40	8556K97 579.82
7"	Oversized	5 1/2"	3/4"	8556K38 142.06	8556K68 258.77	8556K98 467.44

Rods Made from Teflon® PTFE



- Color: White
- Temperature Range: -350° to 500° F
- Tensile Strength: 4,500 psi (Poor)
- Impact Strength: 2.00 ft.-lbs./in. (Good)
- For Use Outdoors: Yes
- Specifications Met: 3-A Certified, ASTM D1710, Made of FDA Listed Material, UL 94V0

Fabricate parts that slide and roll, such as bearings, gears, and rollers. Teflon® PTFE, which surpasses most plastics when it comes to chemical resistance and performance in extreme temperatures. It resists most solvents and is an excellent electrical

Dia.	Dia. Tolerance	Lengths, ft.	Per Ft.
1/8"	0" to +0.002"	1, 2, 3, 4, 5, 6	8548K11 51.2
3/16"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K12 1.6
1/4"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K11 2.2
5/16"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K12 3.6
3/8"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K12 5.1
7/16"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K12 5.6
1/2"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K13 7.3
5/8"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K13 9.0
3/4"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K14 10.9
7/8"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K14 12.9
1 1/8"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 15.4
1 1/4"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 18.1
1 3/8"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 21.1
1 1/2"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 24.0
1 3/4"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 27.1
2"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 34.7
2 1/4"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 40.8
2 1/2"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 46.0
2 3/4"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 53.1
3"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 64.3
3 1/4"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 77.8
3 1/2"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 85.8
3 3/4"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 98.7
4"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 115.1
4 1/4"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 136.2
4 1/2"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 159.3
4 3/4"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 176.7
5"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 221.7
5 1/4"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 246.8
5 1/2"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 296.1
5 3/4"	0" to +0.005"	1, 2, 3, 4, 5, 6	8548K15 358.8
6"	0" to +0.005"	1, 2, 3	8548K15 405.4
6 1/4"	0" to +0.005"	1, 2, 3	8548K15 497.7
6 1/2"	0" to +0.005"	1, 2, 3	8548K15 572.9

Dia.	Dia. Tolerance	1" Lg.	3" Lg.	6" Lg.
2"	0" to +0.120"	1396T11 \$12.40	1396T21 \$31.88	1396T31 \$
3"	0" to +0.180"	1396T12 28.05	1396T22 72.15	1396T32 1
4"	0" to +0.240"	1396T13 49.84	1396T23 128.16	1396T33 2
5"	0" to +0.300"	1396T14 68.68	1396T24 180.29	1396T34 2
6"	0" to +0.360"	1396T15 96.14	1396T25 252.36	1396T35 4
6"	0" to +0.157"	1396T15 190.94	1396T25 627.39	1396T35 1.0

Hexagonal Bars Made from Teflon® PTFE



- Color: White
- Temperature Range: -350° to 500° F
- Tensile Strength: 4,500 psi (Poor)
- Impact Strength: 2.00 ft.-lbs./in. (Good)
- For Use Outdoors: Yes
- Specifications Met: ASTM 4894, ASTM D1710, Made of FDA Listed Material, UL 94V0

Use these hexagon bars to fabricate parts that slide. They're made from virgin most plastics when it comes to chemical resistance and performance in ex solvents and is an excellent electrical insulator.

Wd.	Wd. Tolerance	Lengths, ft.	Per Ft.
1/4"	0" to +0.01"	1, 2, 3, 4, 5, 6	8544K11 58.85
3/8"	0" to +0.01"	1, 2, 3, 4, 5, 6	8544K13 16.55